

IN THE CLAIMS:

Please amend the claims as follows:

1. (Withdrawn): A method of winding a coil of a transformer in an inverter of a liquid crystal display including a bobbin wound with a coil and a core introduced into the bobbin, said method comprising:

forming a coil winding part having no protrusion member at the bobbin so as to exclude an interference caused by the protrusion member from a path wound with the coil; and

continuously winding the coil from one side of the coil winding part to another side thereof.

2. (Withdrawn): The method of winding a coil according to claim 1, wherein the coil is continuously wound from one side of the coil winding part to another side thereof on a zigzag basis in an oblique direction.

3. (Withdrawn): The method of winding a coil according to claim 1, wherein the coil is continuously wound from one side of the coil winding part to another side thereof such that a number of windings is periodically increased in the vertical direction.

4. (Withdrawn): The method of winding a coil according to claim 3, wherein a surface of the coil is coated with an adhesive so as to prevent the coil from being collapsed in the winding process.

5. (Withdrawn): A method of winding a coil of a transformer in an inverter of a liquid crystal display, including a bobbin wound with a coil and a core introduced into the bobbin, said method comprising:

forming a coil winding part having no protrusion member at the bobbin so as to exclude an interference caused by the protrusion member from a path wound with the coil;

winding the coil for each block by a desired winding frequency to provide at least two coil blocks; and

continuously arranging the coil blocks from one side of the coil winding part to another side thereof.

6. (Withdrawn): The method of winding a coil according to claim 5, wherein the coil is continuously wound from a lower portion to an upper portion such that the coil blocks have a number of windings increased periodically in the horizontal direction.

7. (Withdrawn): The method of winding a coil according to claim 5, wherein the coil blocks are continuously arranged from one side of the coil winding part to another side thereof on a zigzag basis in an oblique direction.

8. (Withdrawn): The method of winding a coil according to claim 5, wherein the coil blocks are sequentially connected to each other by the coil.

9. (Withdrawn): The method of winding a coil according to claim 5, wherein a surface of the coil is coated with an adhesive so as to prevent the coil from collapsing during the winding process.

10. (Currently Amended): A transformer for driving a lamp of a liquid crystal display including a bobbin wound with a coil and a core introduced into the bobbin, said transformer comprising:

the bobbin provided with a coil winding part having no protrusion member so as to exclude an interference caused by the protrusion member from a path wound with the coil and a pair of lead pins each extending from opposing ends of the bobbin along opposing directions parallel to a length of the bobbin; and

said coil continuously wound from one side of the coil winding part to another side thereof and connected to two lead pins at a primary side and a secondary side without using a return wire,

wherein the core includes first and second E-shaped core portions each having centers passing through a center of the bobbin and sidewall portions surrounding sides of the bobbin.

11. (Original): The transformer according to claim 10, wherein the coil is continuously wound from one side of the coil winding part to another side thereof on a zigzag basis in an oblique direction.

12. (Original): The transformer according to claim 10, wherein the coil is continuously wound from one side of the coil winding part to another side thereof, such that a number of windings is periodically increased in the vertical direction.

13. (Original): The transformer according to claim 12, wherein a surface of the coil is coated with an adhesive so as to prevent the coil from collapsing during the winding process.

14. (Currently Amended): A transformer for driving a lamp of a liquid crystal display, including a bobbin wound with a coil and a core introduced into the bobbin, said transformer comprising:

the bobbin provided with a coil winding part having no protrusion member so as to exclude an interference caused by the protrusion member from a path wound with the coil and a pair of lead pins each extending from opposing ends of the bobbin along opposing directions parallel to a length of the bobbin; and

at least two coil blocks wound with the coil for each block by a desired winding frequency and continuously arranged from one side of the coil winding part to another side thereof and connected to two lead pins at a primary side and a secondary side without using a return wire,

wherein the core includes first and second E-shaped core portions each having centers passing through a center of the bobbin and sidewall portions surrounding sides of the bobbin.

15. (Original): The transformer according to claim 14, wherein the coil is continuously wound from a lower portion to an upper portion, such that the coil blocks have a number of windings increased periodically in the horizontal direction.

16. (Original): The transformer according to claim 14, wherein the coil blocks are continuously arranged from one side of the coil winding part to another side thereof on a zigzag basis in an oblique direction.

17. (Original): The transformer according to claim 14, wherein a surface of the coil is coated with an adhesive so as to prevent the coil from collapsing during the winding process.

18. (Withdrawn): An inverter of a liquid crystal display including a DC/DC converter for generating a DC voltage, and a DC/AC converter for converting the DC voltage into a high AC voltage suitable for driving a lamp, said inverter comprising:

push-pull switching devices provided at the DC/AC converter to alternately intermit the DC voltage; and

a transformer having a primary side connected to said switching devices and a secondary side connected to said lamp and including a bobbin continuously wound with a coil from one side of a coil winding part having no protrusion member to another side thereof to build up a

voltage applied from said switching devices, thereby driving said lamp.

19. (Withdrawn): An inverter of a liquid crystal display including a DC/DC converter for generating a DC voltage, and a DC/AC converter for converting the DC voltage into a high AC voltage suitable for driving a lamp, said inverter comprising:

push-pull switching devices provided at the DC/AC converter to alternately intermit the DC voltage; and

a transformer having a primary side connected to said switching devices and a secondary side connected to said lamp and including a bobbin continuously arranged with coil blocks wound with a coil by a desired winding frequency from one side of a coil winding part having no protrusion member to another side thereof to build up a voltage applied from said switching devices, thereby driving said lamp.